Mouse anti Androgen Receptor Monoclonal Antibody

Alternative Name(s): androgen receptor

Order Information

- **Description:** Androgen Receptor (AR)
- **Catalogue:** 500-6634
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** ABM335
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rt, Ck

ANTIGEN PREPARATION

A synthetic peptide sequence comprising amino acids 301-321 of human androgen receptor.

BACKGROUND

The androgen receptor belongs to the nuclear receptor subfamily 3 group C member 4 which is encoded by the Ar (also known as Andr, Nr3c4, Tfm) gene. Androgen receptor (AR) is a hormone-activated transcription regulator that plays important roles in normal prostate development and function, as well as in malignant prostate transformation. The binding of an androgenic hormone (testosterone or dihydrotestosterone) induces a conformational change in AR, resulting its dissociation from heat shock proteins and subsequent translocation from the cytosol to nucleus, where it dimerizes and mediates either transcription activation or repression in a target gene-specific manner. The androgen insensitivity syndrome (AIS) or testicular feminization (TFM) is caused by a mutation of the androgen receptor gene located on the X chromosome

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antbody recognizes Androgen Receptor (AR) of human, mice and rat . The other species not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

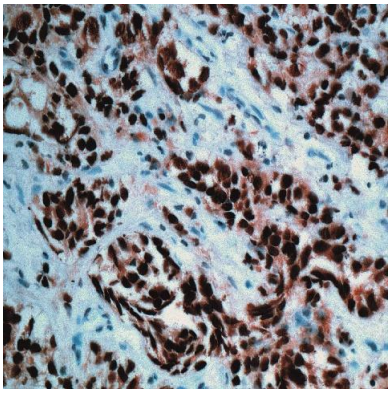
APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 115.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

AbboMax, Inc 2528 Qume Drive, Suite 8, San Jose, California 95131, USA
1 408-573-1898 (Tel). 1 408-573-1858 (Fax). www.abbomax.com info@abbomax.com

DATA ATTACHMENTS



Immunohistochemistry: Human hyperplasia prostate was stained with mouse anti AR antibody (Cat# 500-6634) at 1:200. Staining of formalin-fixed parafilm embedded (FFPE) tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min. The positive staining is nuclear localized by using DAB chromogen.

REFERENCES

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